

PLEASE NOTE

**This image contains more than one label
approved for this product on this date.**

681566

08/09/2007

115

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG - 9 2007

Steve A. McMaster
Dintec Agrichemicals
9330 Zionsville Rd.
Indianapolis, IN 46268-1054

Dear Mr. McMaster:

Subject: Supplemental Labeling
Ipimethalin-L
For Weed Control in Wheat
EPA Reg. No. 68156-6
Submission dated Jul18 2007

The labeling, referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Under "Title"

Add a statement on the composition of the subject product including active and inert ingredients.

2. Under "Directions for Use";

Add the following statements:

- Do not apply this product in a way that will contact workers or other persons, either directly or thorough drift. Only product handlers may be in the area during application.
- Refer to the main label of this product for Precautionary Statements, First Aid and Personal Protective Equipment requirements, and follow all recommendations, special instructions, and precautions.

3. Add a section on "Non Target Species" with the following:

"If non-target plants occur in proximity to the application sites, the following mitigation measure is required:

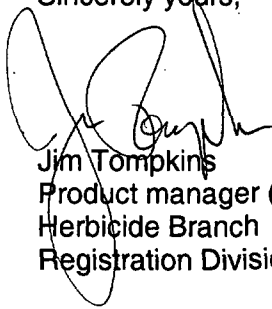
Leave untreated buffer zone of 80 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles."

4. Under Endangered Species";

If applied by air, increase untreated buffer zone to 1,000 feet.

The amended label supersedes all previously accepted labels. A stamped copy of the revised label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,



Jim Tompkins
Product manager (25)
Herbicide Branch
Registration Division (7505P)

CONCURRENCES

SYMBOL >	7505P	7505P						
SURNAME >	Bien	Tompkins						
DATE >	7-30-07							

Supplemental Labeling

Dintec Agrichemicals

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Ipimethalin-L

EPA Reg. No. 68156-6

Postemergence Weed Control in Wheat

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

Directions for Use

Refer to product label for Ipimethalin-L for General Information, General Use Precautions, Mixing and Application instructions.

Apply Ipimethalin-L as a postemergence treatment to fall-, winter-, or spring-seeded wheat by ground or air.

Endangered Species

The following mitigation measures are required if endangered species occur in proximity to the application site:

- If the product is applied with ground equipment, leave an untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.
- If the product is applied with aircraft, leave an untreated buffer zone of 170 feet. Use straight stream nozzles (D-6 or larger). Wind speed can be no more than 8 mph and release height must be 15 feet or less.

To determine whether your county has an endangered species, consult the web site <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

Use Methods and Timings

The seedbed should be firm and free of clods and trash. The seedbed must be prepared to allow for good seed coverage by the soil and seed to soil contact. Plant high quality seed at least 1/2 to 1 inch deep to avoid crop injury when applications of Ipimethalin-L are made postemergence.

For weed control, apply Ipimethalin-L as a postemergence treatment from the 1st leaf stage of wheat until before the flag leaf is visible or emerged. Uniformly apply the product prior to weed emergence in 10 gallons or more of water per acre or in 20 gallons or more of liquid fertilizer per acre with ground equipment, or in 5 gallons of water per acre with air equipment. Treatments of Ipimethalin-L are most effective when adequate rainfall or overhead irrigation is received after application. Emerged weeds will not be controlled by this treatment.

Tank mix Ipimethalin-L with any postemergence herbicide registered for use in wheat to control established weeds. Ipimethalin-L provides residual control of the weeds listed on the product label.

Application Rates

Use rates recommended for Ipimethalin-L alone and in tank mix applications are given in the following table.

Soil Texture ¹	Ipimethalin-L (pint/acre)	
	Southern States ¹	Northern States ¹
Coarse	1.8 to 2.4	1.8
Medium	1.8 to 3.6	1.8 to 3
Fine	2.4 to 3.6	2.4 to 3.6

¹See the Regional Map for Rate Determination and Soil Texture sections on the product label.

Specific Use Precautions and Restrictions:

- **Preharvest Interval:** Do not apply within 60 days of harvest for grain or straw, within 28 days of harvest for hay, or within 11 days of harvest for forage.
- Do not apply more than 3.6 pints per acre per season.
- If the grain crop is lost, any crop registered for preplant incorporated application of Ipimethalin-L may be replanted the same year without adverse effects. Do not replant wheat.

Crop Rotation: Soil characteristics and environmental conditions that may contribute to crop stress and that may be accentuated by use of Ipimethalin-L include coarse soils, compaction, high salinity, eroded knolls/hilltops, cold and/or wet soils, drought, and heavy rainfall soon after application. Restrictions for crop rotation after applying Ipimethalin-L are dependent upon the use rate in the primary crop. The user should thoroughly read the following restrictions to determine the rotational crops for their specific situation according to the application use rate. See also Follow Crop Restrictions section on the product label.

• **Restrictions following application of Ipimethalin-L to field and row crops at the rate of 4.8 pints per acre (2 lb ai) or less:**

- Crops labeled for preplant incorporated application may be planted the same season in which Ipimethalin-L was applied.
- **Sugar beets, red beets and spinach** - To prevent crop injury, do not plant sugar beets, red beets or spinach for 12 months following a spring application of Ipimethalin-L or for 14 months following a fall application of Ipimethalin-L. Do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L if rainfall or irrigation was insufficient to produce a crop. To insure thorough mixing of soil, land should be plowed using a moldboard plow to a depth of 12 inches prior to planting these crops.
- **Proso millet, sorghum (milo) and annual or perennial grass crops or mixtures** – To prevent crop injury, do not plant proso millet, sorghum (milo) and annual or perennial grass crops or mixtures for 10 months following a spring application of Ipimethalin-L or for 12 months following a fall application of Ipimethalin-L. In Minnesota, North Dakota and South Dakota, do not plant these crops for 18 months following a spring application of Ipimethalin-L or 21 months following a fall application of Ipimethalin-L. In areas that receive less than 20 inches of rainfall or irrigation sufficient to produce a crop, do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L.
- **Wheat and barley** – Wheat and barley may be planted four months after an application of Ipimethalin-L. Do not plant these crops for 12 months following a spring application of Ipimethalin-L or for 14 months following a fall application of Ipimethalin-L if less than 12 inches of rainfall or overhead irrigation was received between application and rotational crop planting. In dryland areas or in areas where irrigation is necessary to produce the crop, plant winter wheat or barley as a follow crop if crop failure or destruction occurs and the land is fallow during the summer.
- **All other crops not specifically listed** – All other crops, other than those to which Ipimethalin-L may be applied as a preplant incorporated application, may be planted the year following an application of Ipimethalin-L. Do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L if rainfall or irrigation was insufficient to produce a crop.

• **Restrictions following application of Ipimethalin-L to field and row crops at greater than the rate of 4.8 pints per acre (2 lb ai):**

- Crops labeled for preplant incorporated application may be planted in the growing season following the application of Ipimethalin-L.
- If crops are not labeled for preplant incorporation application, do not plant them for 24 months following an application of Ipimethalin-L.

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- **Restrictions following application of Ipimethalin-L to orchard, grove and vineyard crops:**
 - Crops labeled for preplant incorporated application may be planted in the growing season following the application of Ipimethalin-L to bearing fruit and nut trees.
 - With the exception of nut crops, fruit trees, or grapes, do not rotate to other crops for 24 months following an application of Ipimethalin-L to bearing fruit or nut trees.

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

68156-6

AUG - 9 2007

R130-007
EPA accepted / /
Initial printing. -

NEXT

LABEL

68156-6

08/09/2007

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG - 9 2007

Steve A. McMaster
Dintec Agrichemicals
9330 Zionsville Rd.
Indianapolis, IN 46268-1054

Dear Mr. McMaster:

Subject: Supplemental Labeling
Ipimethalin-L
For Use on Alfalfa Grown for Forage or Hay
EPA Reg. No. 68156-6
Submission dated Jul18, 2007

The labeling, referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Under "Title"

Add a statement on the composition of the subject product including active and inert ingredients.

2. Under "Directions for Use";

Delete aerial application or increase the buffer zone to 1,000 feet.

Add the following statements:

- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only product handlers may be in the area during application.
- Refer to the main label of this product for Precautionary Statements, First Aid and Personal Protective Equipment requirements, and follow all recommendations, special instructions, and precautions.

3. Add a section on "Non Target Species" with the following:

"If non-target plants occur in proximity to the application sites, the following mitigation measure is required:

Leave untreated buffer zone of 80 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles."

4. Under "Chemigation";

Add the following statement:

"Follow all instructions and requirements for chemigation stated in the master label."

5. Under "Flooded Basin Irrigation System Precautions";

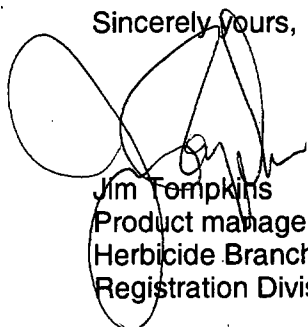
Since flooded basin application is not specified in the 2005 Agency accepted label, you need to provide additional instructions for this applications. Use EPA requirements or the current BASF Prowl H₂O herbicide as guidance.

6. Under "Restrictions for Use";

- Reduce the seasonal application rate to 4.0 quarts per acre in any one-crop season.
- Add "Do not use on pear or muck soils."
- Do not apply this product through other irrigations system.
- Follow all precautions and restrictions on labels of all products in combination with this product. Always follow the most restrictive label.

The amended label supersedes all previously accepted labels. A stamped copy of the revised label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,



Jim Tompkins
Product manager (25)
Herbicide Branch
Registration Division (7505P)

CONCURRENCES

SYMBOL >	7505P	7505P						
SURNAME >	Bien	Tompkins						
DATE >	7-30-07							

Supplemental Labeling

3/5

Dintec Agrichemicals

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Ipimethalin-L

EPA Reg. No. 68156-6

Weed Control in Alfalfa Grown for Forage or Hay

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

Directions for Use

Refer to product label for Ipimethalin-L for General Information, General Use Precautions, Mixing and Application instructions.

Apply Ipimethalin-L to alfalfa grown for forage or hay by ground, air, chemigation, flooded basin irrigation systems, or on dry bulk fertilizer.

Endangered Species

The following mitigation measures are required if endangered species occur in proximity to the application site:

- If the product is applied with ground equipment, leave an untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.
- If the product is applied with aircraft, leave an untreated buffer zone of 170 feet. Use straight stream nozzles (D-6 or larger). Wind speed can be no more than 8 mph and release height must be 15 feet or less.

To determine whether your county has an endangered species, consult the web site <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

Weeds Controlled

This product, when applied up to 4.6 pints per acre, will control the following grass and broadleaf weeds in alfalfa grown for forage or hay:

Grass Weeds

annual ryegrass
barnyardgrass
canarygrass¹
cheat¹
crabgrass
crowfootgrass
downy brome¹ (cheatgrass)
field sandbur
foxtail, giant

foxtail, green
foxtail, yellow
goosegrass
hairy chess¹
itchgrass
Italian ryegrass¹
Japanese brome
johnsongrass (seedling)
jointed goatgrass¹

oat, wild¹
panicum, fall
panicum, Texas
shattercane¹
signalgrass¹
wild proso millet¹
witchgrass
woolly cupgrass¹

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Broadleaf Weeds

amaranth, palmer	lady's thumb	purslane
bugloss, small	lambsquarters, common	shepherdspurse ¹
carpetweed	lambsquarters, slimleaf	smartweed, Pennsylvania ¹
chickweed, common ¹	London rocket ¹	spurge, annual
Florida pusley	mustard, black	velvetleaf ¹
henbit	pigweed spp.	waterhemp spp.
kochia		

¹These weeds are suppressed when Ipimethalin-L is applied up to 4.6 pints per acre, but they are controlled when the use rate exceeds 4.6 pints per acre.

This product, when applied at 4.6 pints or more per acre, will control the following grass and broadleaf weeds in alfalfa grown for forage or hay:

Grass Weeds

bluegrass, annual	lovegrass	red sprangletop
guinea grass	Mexican sprangletop	swollen fingergrass
junglerice	panicum, browntop	

Broadleaf Weeds

dodder ¹	knotweed, prostrate	puncturevine
fiddleneck	morningglory ²	

¹Use the highest labeled rate of Ipimethalin-L specified for optimum control.

²Suppression only.

Use Methods and Timings

For all methods, uniformly apply the product in 10 gallons or more of water per acre or 20 gallons or more of liquid fertilizer per acre with ground equipment, or in 5 gallons of water per acre with air equipment. Treatments of Ipimethalin-L are most effective when incorporated by rainfall or irrigation after application and before weed seedling emergence.

Established Alfalfa: Uniformly apply 1.2 to 4.6 quarts of Ipimethalin-L per acre to established alfalfa grown for forage or hay prior to weed emergence. (Established alfalfa is alfalfa that was planted in the fall or spring and has gone through a summer season of cutting or mowing.) Apply in the fall after the last mowing or cutting, during winter dormancy, in the spring, or between cuttings. to dormant established alfalfa or before alfalfa exceeds 10 inches in height after the first mowing or beating. Make applications before the alfalfa reaches 6 inches in re-growth.

Seedling Alfalfa: Uniformly apply 1.2 to 2.3 pints of Ipimethalin-L per acre to seedling alfalfa grown for forage or hay prior to weed emergence. (Seedling alfalfa is alfalfa that was planted in the fall or spring and has not gone through a cutting or mowing.) Apply after alfalfa has reached the 2nd trifoliate stage of growth and prior to the alfalfa reaching 6 inches in height.

Chemigation Application: Apply Ipimethalin-L through sprinkler irrigation systems. Uniform distribution of irrigation water treated with Ipimethalin-L is the sole responsibility of the applicator and is required to avoid crop injury, lack of herbicide effectiveness or illegal pesticide residues in the crop. See Chemigation section on the product label for complete directions.

Flooded Basin Irrigation System Precautions:

- Recirculate tail water or runoff water from flood irrigation and contain it in the field of initial application, or use it only on adjacent tree or vine crops for which Ipimethalin-L is registered for use.
- The pesticide in the water of systems using a gravity-flow pesticide-dispensing system must be metered at the head of the field downstream of a hydraulic discontinuity (e.g., drop structure, weir box) to decrease the potential for water source contamination from backflow water.

Specific Use Precautions and Restrictions:

- **Preharvest Interval:** Do not apply within 50 days of harvest for forage or hay, or within 90 days of harvest for seed.
- Do not apply more than 4.6 quarts per acre in any one crop season.
- Some stunting and chlorosis of the alfalfa may occur with postemergence applications.

- Applications of Ipimethalin-L made after the alfalfa is more than 6 inches in height may result in poor weed control due to possible reduced soil spray coverage.

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Crop Rotation: Soil characteristics and environmental conditions that may contribute to crop stress and that may be accentuated by use of Ipimethalin-L include coarse soils, compaction, high salinity, eroded knolls/hilltops, cold and/or wet soils, drought, and heavy rainfall soon after application. Restrictions for crop rotation after applying Ipimethalin-L are dependent upon the use rate in the primary crop. The user should thoroughly read the following restrictions to determine the rotational crops for their specific situation according to the application use rate. See also Follow Crop Restrictions section on the product label.

- **Restrictions following application of Ipimethalin-L to field and row crops at the rate of 4.8 pints per acre (2 lb ai) or less:**
 - Crops labeled for preplant incorporated application may be planted the same season in which Ipimethalin-L was applied.
 - **Sugar beets, red beets and spinach** - To prevent crop injury, do not plant sugar beets, red beets or spinach for 12 months following a spring application of Ipimethalin-L or for 14 months following a fall application of Ipimethalin-L. Do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L if rainfall or irrigation was insufficient to produce a crop. To insure thorough mixing of soil, land should be plowed using a moldboard plow to a depth of 12 inches prior to planting these crops.
 - **Proso millet, sorghum (milo) and annual or perennial grass crops or mixtures** - To prevent crop injury, do not plant proso millet, sorghum (milo) and annual or perennial grass crops or mixtures for 10 months following a spring application of Ipimethalin-L or for 12 months following a fall application of Ipimethalin-L. **In Minnesota, North Dakota and South Dakota**, do not plant these crops for 18 months following a spring application of Ipimethalin-L or 21 months following a fall application of Ipimethalin-L. In areas that receive less than 20 inches of rainfall or irrigation sufficient to produce a crop, do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L.
 - **Wheat and barley** - Wheat and barley may be planted four months after an application of Ipimethalin-L. Do not plant these crops for 12 months following a spring application of Ipimethalin-L or for 14 months following a fall application of Ipimethalin-L if less than 12 inches of rainfall or overhead irrigation was received between application and rotational crop planting. In dryland areas or in areas where irrigation is necessary to produce the crop, plant winter wheat or barley as a follow crop if crop failure or destruction occurs and the land is fallow during the summer.
 - **All other crops not specifically listed** - All other crops, other than those to which Ipimethalin-L may be applied as a preplant incorporated application, may be planted the year following an application of Ipimethalin-L. Do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L if rainfall or irrigation was insufficient to produce a crop.
- **Restrictions following application of Ipimethalin-L to field and row crops at greater than the rate of 4.8 pints per acre (2 lb ai):**
 - Crops labeled for preplant incorporated application may be planted in the growing season following the application of Ipimethalin-L.
 - If crops are not labeled for preplant incorporation application, do not plant them for 24 months following an application of Ipimethalin-L.
- **Restrictions following application of Ipimethalin-L to orchard, grove and vineyard crops:**
 - Crops labeled for preplant incorporated application may be planted in the growing season following the application of Ipimethalin-L to bearing fruit and nut trees.
 - With the exception of nut crops, fruit trees, or grapes, do not rotate to other crops for 24 months following an application of Ipimethalin-L to bearing fruit or nut trees.

ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG - 9 2007

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

68156-6

R130-008
EPA accepted / /
Initial printing.

NEXT

LABEL

68156-6

08/09/2007

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG - 9 2007

Steve A. McMaster
Dintec Agrichemicals
9330 Zionsville Rd.
Indianapolis, IN 46268-1054

Dear Mr. McMaster:

Subject: Supplemental Labeling
Ipimethalin L
For Weed Control in Alfalfa Grown for Seed
EPA Reg. No. 68156-6
Submission dated Jul18, 2007

The labeling, referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Under "Title"

Add a statement on the composition of the subject product including active and inert ingredients.

2. Under "Directions for Use";

Delete aerial application or increase the buffer zone to 1,000 feet.

Add the following statements:

- Do not apply this product in a way that will contact workers or other persons, either directly or thorough drift. Only product handlers may be in the area during application.
- Refer to the main label of this product for Precautionary Statements, First Aid and Personal Protective Equipment requirements, and follow all recommendations, special instructions, and precautions.

3. Add a section on "Non Target Species" with the following:

"If non-target plants occur in proximity to the application sites, the following mitigation measure is required:

2/5

Leave untreated buffer zone of 80 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles."

4. Under "Use Methods and Timing";

Delete aerial application or increase the buffer zone to 1,000 feet to protect endangered species.

5. Under "Chemigation";

Add the following statement::

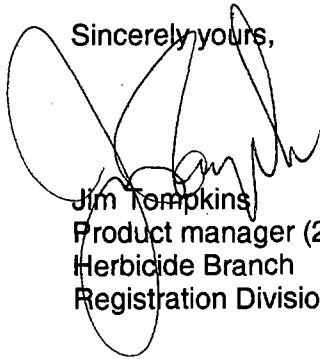
"Follow all instructions and requirements for chemigation specified in the master label."

6. Under "Flooded Basin Irrigation System Precautions";

Since flooded basin application is not specified in the 2005 Agency accepted master label, you need to provide additional instructions for this applications. Use EPA requirements or the currently accepted BASF Prowl H₂O herbicide for guidance.

The amended label supersedes all previously accepted labels. A stamped copy of the revised label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,



Jim Tompkins
Product manager (25)
Herbicide Branch
Registration Division (7505P)

Enclosure

CONCURRENCES

SYMBOL >	7505P	7505P						
SURNAME >	Bien	Tompkins						
DATE >	7-30-07							

Supplemental Labeling

3/5

Dintec Agrichemicals

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Ipimethalin-L

EPA Reg. No. 68156-6

Weed Control in Alfalfa Grown for Seed

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

Directions for Use

Refer to product label for Ipimethalin-L for General Information, General Use Precautions, Mixing and Application instructions.

Apply Ipimethalin-L to alfalfa grown for seed by ground, air, chemigation, flooded basin irrigation systems, or on dry bulk fertilizer.

Endangered Species

The following mitigation measures are required if endangered species occur in proximity to the application site:

- If the product is applied with ground equipment, leave an untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.
- If the product is applied with aircraft, leave an untreated buffer zone of 170 feet. Use straight stream nozzles (D-6 or larger). Wind speed can be no more than 8 mph and release height must be 15 feet or less.

To determine whether your county has an endangered species, consult the web site <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

Weeds Controlled

This product, when applied up to 4.6 pints per acre, will control the following grass and broadleaf weeds in alfalfa grown for seed:

Grass Weeds

annual ryegrass
barnyardgrass
canarygrass¹
cheat¹
crabgrass
crowfootgrass
downy brome¹ (cheatgrass)
field sandbur
foxtail, giant

foxtail, green
foxtail, yellow
goosegrass
hairy chess¹
itchgrass
Italian ryegrass¹
Japanese brome
johnsongrass (seedling)
jointed goatgrass¹

oat, wild¹
panicum, fall
panicum, Texas
shattercane¹
signalgrass¹
wild proso millet¹
witchgrass
woolly cupgrass¹

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

68156-6

4/5

Broadleaf Weeds

amaranth, palmer	lady's thumb	purslane
bugloss, small	lambsquarters, common	shepherdspurse ¹
carpetweed	lambsquarters, slimleaf	smartweed, Pennsylvania ¹
chickweed, common ¹	London rocket ¹	spurge, annual
Florida pusley	mustard, black	velvetleaf ¹
henbit	pigweed spp.	waterhemp spp.
kochia		

¹These weeds are suppressed when Ipimethalin-L is applied up to 4.6 pints per acre, but they are controlled when the use rate exceeds 4.6 pints per acre.

This product, when applied at 4.6 pints or more per acre, will control the following grass and broadleaf weeds in alfalfa grown for seed:

Grass Weeds

bluegrass, annual	lovegrass	red sprangletop
guinea grass	Mexican sprangletop	swollen fingergrass
jungerice	panicum, browntop	

Broadleaf Weeds

dodder ¹	knotweed, prostrate	puncturevine
fiddleneck	morningglory ²	

¹Use the highest labeled rate of Ipimethalin-L specified for optimum control.

²Suppression only.

Use Methods and Timings

For all methods, uniformly apply the product in 10 gallons or more of water per acre with ground equipment or in 5 gallons of water per acre with air equipment. Treatments of Ipimethalin-L are most effective when incorporated by rainfall or irrigation after application.

Established Alfalfa: Uniformly apply 1.2-4.6 quarts of Ipimethalin-L per acre to established alfalfa grown for seed prior to weed emergence. (Established alfalfa is alfalfa that was planted in the fall or spring and has gone through a summer season of cutting or mowing.) Apply to dormant established alfalfa or before alfalfa exceeds 10 inches in height after the first mowing or beating. After the alfalfa reaches 10 inches in height, or if the alfalfa has been mowed or beaten two or more times, Ipimethalin-L must be applied with drop nozzles that direct the spray so there is little or no contact with the foliage.

Seedling Alfalfa: Uniformly apply 1.2 to 2.3 pints of Ipimethalin-L per acre to seedling alfalfa grown for seed prior to weed emergence. (Seedling alfalfa is alfalfa that was planted in the fall or spring and has not gone through a cutting or mowing.) Apply after alfalfa has reached the 2nd trifoliate stage of growth and prior to the alfalfa reaching 6 inches in height.

Chemigation Application: Apply Ipimethalin-L through sprinkler irrigation systems. Uniform distribution of irrigation water treated with Ipimethalin-L is the sole responsibility of the applicator and is required to avoid crop injury, lack of herbicide effectiveness or illegal pesticide residues in the crop. See Chemigation section on the product label for complete directions.

Flooded Basin Irrigation System Precautions:

- Recirculate tail water or runoff water from flood irrigation and contain it in the field of initial application or use it only on adjacent tree or vine crops for which Ipimethalin-L is registered for use.
- The pesticide in the water of systems using a gravity-flow pesticide-dispensing system must be metered at the head of the field downstream of a hydraulic discontinuity (e.g., drop structure, weir box) to decrease the potential for water source contamination from backflow water.

Specific Use Precautions and Restrictions:

- **Preharvest Interval:** Do not apply within 50 days of harvest for forage or hay, or within 30 days of harvest for seed.
- Do not apply more than 4.6 quarts per acre in any one crop season.
- Do not feed forage or graze livestock in treated groves or orchards.
- Some stunting and chlorosis of the alfalfa may occur with postemergence applications.
- Applications of Ipimethalin-L made after the alfalfa is more than 6 inches in height may result in poor weed control due to possible reduced soil spray coverage.

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- **In California**, do not apply this product to alfalfa grown for seed unless:
 - All seed screenings must be disposed of so that they cannot be distributed or used for food or feed. Records of the disposal must be kept by the seed conditioner for three years.
 - No portion of the seed plant may be used or distributed for food or feed.
 - In California, all seed crops grown on a nonfood or nonfeed site or conditioned in California must bear a tag or container label that forbids the use of the seed for human consumption or animal feed.
 - In California, all seed crops grown on a nonfood or nonfeed site or conditioned in California may not be distributed for human consumption or animal feed.

Crop Rotation: Soil characteristics and environmental conditions that may contribute to crop stress and that may be accentuated by use of Ipimethalin-L include coarse soils, compaction, high salinity, eroded knolls/hilltops, cold and/or wet soils, drought, and heavy rainfall soon after application. Restrictions for crop rotation after applying Ipimethalin-L are dependent upon the use rate in the primary crop. The user should thoroughly read the following restrictions to determine the rotational crops for their specific situation according to the application use rate. See also Follow Crop Restrictions section on the product label.

- **Restrictions following application of Ipimethalin-L to field and row crops at the rate of 4.8 pints per acre (2 lb ai) or less:**
 - Crops labeled for preplant incorporated application may be planted the same season in which Ipimethalin-L was applied.
 - **Sugar beets, red beets and spinach** - To prevent crop injury, do not plant sugar beets, red beets or spinach for 12 months following a spring application of Ipimethalin-L or for 14 months following a fall application of Ipimethalin-L. Do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L if rainfall or irrigation was insufficient to produce a crop. To insure thorough mixing of soil, land should be plowed using a moldboard plow to a depth of 12 inches prior to planting these crops.
 - **Proso millet, sorghum (milo) and annual or perennial grass crops or mixtures** - To prevent crop injury, do not plant proso millet, sorghum (milo) and annual or perennial grass crops or mixtures for 10 months following a spring application of Ipimethalin-L or for 12 months following a fall application of Ipimethalin-L. **In Minnesota, North Dakota and South Dakota**, do not plant these crops for 18 months following a spring application of Ipimethalin-L or 21 months following a fall application of Ipimethalin-L. In areas that receive less than 20 inches of rainfall or irrigation sufficient to produce a crop, do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L.
 - **Wheat and barley** - Wheat and barley may be planted four months after an application of Ipimethalin-L. Do not plant these crops for 12 months following a spring application of Ipimethalin-L or for 14 months following a fall application of Ipimethalin-L if less than 12 inches of rainfall or overhead irrigation was received between application and rotational crop planting. In dryland areas or in areas where irrigation is necessary to produce the crop, plant winter wheat or barley as a follow crop if crop failure or destruction occurs and the land is fallow during the summer.
 - **All other crops not specifically listed** - All other crops, other than those to which Ipimethalin-L may be applied as a preplant incorporated application, may be planted the year following an application of Ipimethalin-L. Do not plant these crops for 18 months following a spring application of Ipimethalin-L or for 20 months following a fall application of Ipimethalin-L if rainfall or irrigation was insufficient to produce a crop.
- **Restrictions following application of Ipimethalin-L to field and row crops at greater than the rate of 4.8 pints per acre (2 lb ai):**
 - Crops labeled for preplant incorporated application may be planted in the growing season following the application of Ipimethalin-L.
 - If crops are not labeled for preplant incorporation application, do not plant them for 24 months following an application of Ipimethalin-L.
- **Restrictions following application of Ipimethalin-L to orchard, grove and vineyard crops:**
 - Crops labeled for preplant incorporated application may be planted in the growing season following the application of Ipimethalin-L to bearing fruit and nut trees.
 - With the exception of nut crops, fruit trees, or grapes, do not rotate to other crops for 24 months following an application of Ipimethalin-L to bearing fruit or nut trees.

R130-006
 EPA accepted ___/___/___
 Initial printing.

NEXT

LABEL

68156-6

08/09/2007

1/4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG - 9 2007

Steve A. McMaster
Dintec Agrichemicals
9330 Zionsville Rd.
Indianapolis, IN 46268-1054

Dear Mr. McMaster:

Subject: Supplemental Labeling
Ipimethalin-L
For Weed Control in Bearing Fruit Trees
EPA Reg. No. 68156-6
Submission dated July 18, 2007

The labeling, referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you make the following changes:

1. Under "Title"

Add a statement on the composition of the subject product including active and inert ingredients.

2. Under "Directions for Use";

Add the following statements:

- Do not apply this product in a way that will contact workers or other persons, either directly or thorough drift. Only product handlers may be in the area during application.
- Refer to the main label of this product for Precautionary Statements, First Aid and Personal Protective Equipment requirements, and follow all recommendations, special instructions, and precautions.

3. Add a section on "Non Target Species" with the following:

"If non-target plants occur in proximity to the application sites, the following mitigation measure is required:

Leave untreated buffer zone of 80 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles."

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4. Under "Chemigation";

Add the following statement:

"Follow all instructions and requirements for chemigation stated in the master label."

5. Under "Flooded Basin Irrigation System Precautions";

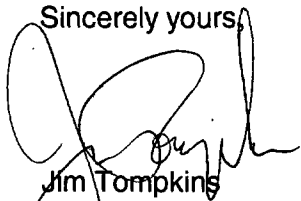
Since flooded basin application is not specified in the 2005 Agency accepted label, you need to provide additional instructions for this applications. Use EPA requirements or the current BASF Prowl H₂O herbicide as guidance.

6. Under "Restrictions for Use";

Change "Do Not apply by air to bearing fruit trees or other fruit trees" to "Do not apply this product through any other types of irrigation system or by air."

The amended label supersedes all previously accepted labels. A stamped copy of the revised label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment.

Sincerely yours,



Jim Tompkins
Product manager (25)
Herbicide Branch
Registration Division (7505P)

Enclosure

CONCURRENCES

SYMBOL >	7505P	7505P					
SURNAME >	Bien	Tompkins					
DATE >	7-30-07						

Supplemental Labeling

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Dintec Agrichemicals 9330 Zionsville Road Indianapolis, IN 46268-1054 USA

Ipimethalin-L

EPA Reg. No. 68156-6

Weed Control in Bearing Fruit Trees

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Ipimethalin-L herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Ipimethalin-L according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Ipimethalin-L.

Directions for Use

Refer to product label for Ipimethalin-L for General Information, General Use Precautions, Mixing and Application instructions.

Apply Ipimethalin-L to the following bearing fruit trees by ground, chemigation, or flooded basin irrigation systems:

	Pome Fruits		Stone Fruits
apple	pear	apricot	plum, chicksaw
crabapple	pear, oriental	aprium	plum, damson
		cherry, sweet	plum, Japanese
	Other Fruits	cherry, tart	plumcot
pomegranate		nectarine	pluot
		peach	prune
		plum	

Endangered Species

The following mitigation measures are required if endangered species occur in proximity to the application site:

- Leave an untreated buffer zone of 200 feet. The product must be applied using a low boom (20 inches above the ground) and ASAE fine to medium/coarse nozzles.

To determine whether your county has an endangered species, consult the web site <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of endangered species occur in the area to be treated.

Use Methods and Timings

Ground Application: Uniformly apply as a surface incorporated or (surface) preemergence application before weed emergence using ground equipment. Make a single application of Ipimethalin-L as a broadcast or banded treatment in 10 gallons or more of water per acre or in 20 gallons or more of liquid fertilizer. **Do not** apply over the top of trees with leaves, buds or fruit. Contact with leaves, shoots or buds by the spray mixture may cause injury.

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Chemigation Application: Apply Ipimethalin-L through sprinkler irrigation systems. Uniform distribution of irrigation water treated with Ipimethalin-L is the sole responsibility of the applicator and is required to avoid crop injury, lack of herbicide effectiveness or illegal pesticide residues in the crop. See Chemigation section on the product label for complete directions. **Do not** apply irrigation water treated with Ipimethalin-L over the top of trees with leaves, buds, or fruit. Contact with leaves, shoots or buds by the spray mixture may cause injury.

Flooded Basin Irrigation System Precautions:

- Recirculate tail water or runoff water from flood irrigation and contain it in the field of initial application or use it only on adjacent tree or vine crops for which Ipimethalin-L is registered for use.
- The pesticide in the water of systems using a gravity-flow pesticide-dispensing system must be metered at the head of the field downstream of a hydraulic discontinuity (e.g., drop structure, weir box) to decrease the potential for water source contamination from backflow water.

Application Rates

Use the recommended rates for Ipimethalin-L given in the following table depending upon the desired length of control.

Length of Control	Ipimethalin-L (quart/acre)
Short-term control	2.3
Long-term control	4.6

Specific Use Precautions and Restrictions:

- **Preharvest Interval:** Do not apply within 60 days of harvest for bearing fruit trees or other fruit trees.
- **Minimum Re-Treatment Interval:** 30 days.
- Apply the spray directly to the ground under the trees and/or in areas between the rows. **Do not** apply over the top of the trees with leaves, buds, or fruit. Contact with leaves, shoots or buds by the spray mixture may cause injury.
- **Do not** apply by air to bearing fruit trees or other fruit trees.
- **Do not** apply more than 6.9 quarts per acre per year on bearing citrus and nut trees.
- **Do not** apply more than 4.8 quarts per acre per year on bearing fruit trees or other fruit trees.
- **Do not** feed forage or graze livestock in treated groves or orchards.
- **Do not** apply to newly seeded nursery stock.
- Ipimethalin-L controls weeds most effectively when adequate rainfall or irrigation is received after application prior to weed seedling emergence.

ACCEPTED
with COMMENTS
in EPA Letter Dated

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

68156-6

AUG - 9 2007

R130-005
EPA accepted / /
Initial printing.